

E70-FIBER MAT™

Emulsion Binder Chopped Strand Fiber Glass Mat

DESCRIPTION

E70-Fiber Mat™ is an unweaved fabric consisting of randomly distributed chopped strands held together with an emulsion binder.



PRODUCT FEATURES

E70-Fiber Mat™ Chopped Strand Mats features

- Uniform density ensures consistent fiberglass content and mechanical properties of the composites products
- Uniform powder distribution ensures good mat integrity, little loose fibers and small roll diameter
- Excellent flexibility ensures good mould ability with no spring back at sharp angles
- Fast and consistent wet-out speed in resins and rapid air lease reduce resin consumption and production cost and enhance productivity and mechanical properties of the end products
- The composite products have high dry and wet tensile strength and good transparency.

Compatible Resins and Applications

Strand: E70-Fiber Mat™ chopped strand mats are compatible with unsaturated polyester, vinyl ester, epoxy resins. The products are most widely used in hand lay-up process and can also be used in filament winding, compression molding and continuous laminating processes. The typical end-use applications include various construction waterproofing, panels, boats, bathroom equipment, automotive parts and cooling towers.

Car Mat: E70-Fiber Mat™ chopped strand mats are mainly used in polyurethane resin. E-glass light weight chopped strand mat are compatible with unsaturated polyester, vinyl ester, epoxy and phenolic resins. The products are most widely used in automobile inner headliners with any width less than 3.6 meters, improve its stiffness and bond strength of polyurethane foam film. The product have excellent process performance, it can lower the weight of automobile based on meet the mechanical and physical properties for headliners.

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TECHNICAL CHARACTERISTIC



Property	Area Weight (%)	Moisture Content (%)	Combustible Content (%)	Tensile Strength (N)	Width (MM)	Marks
Test Method	ISO 3374	ISO3344	ISO 1887	ISO 3342	ISO 5025	Application
E70-Fiber Mat™	± 5	≤0.20%	10-14%	≥ 80-100N	±5	Waterproofing, Automobile inner headliner

PRODUCT PACKING

Gram Weight	70g/m2
Type of Binder	Emulsion
Roll Size	1.0m x 280.0m c/w 50mm Single side untrimmed edge
Roll Weight	19.60kgs
Packing Carton	27.5*27.*106cm(H)
Mat Colour	Fabric White
Shelf life (un-open)	12 months

PACKAGING

Each **E70-Fiber Mat™** Chopped Strand Mat is wound onto a paper tube which has an inside diameter of 79mm. The mat roll is wrapped with plastic film, and then packed in a cardboard box. The roll can be vertically or horizontally placed. For transportation, the rolls can be loaded into a container directly or on pallets.

STORAGE

Without special requests, **E70-Fiber Mat™** Chopped Strand Mat should be stored in a dry, cool and rain-proof area. It is recommended that the room temperature and humidity should be always at 15°C-35°C and 35%-65% respectively.

POLYCELL TECHNICAL DEPARTMENT

OUR COMPANY COMMITMENT – Polycell’s personnel are all fully trained to provide product information, guideline, training and technical assistance. We also provide product presentation and technical specification to Architects and Engineers.

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